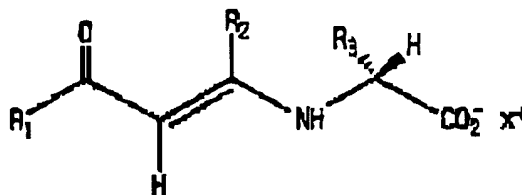


EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 08134034
 PUBLICATION DATE : 28-05-96
 APPLICATION DATE : 02-11-94
 APPLICATION NUMBER : 06269679

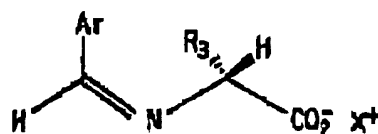


APPLICANT : AJINOMOTO CO INC;

INVENTOR : TAKEMOTO TADASHI;

INT.CL. : C07C237/30 C07C231/02

TITLE : PRODUCTION OF D-ALPHA-AMINO
 ACID-N-(S)-ALPHA-ALKYLBENZYLAMIDE



II

ABSTRACT : **PURPOSE:** To obtain the subject compound useful as an intermediate for sweeteners by simple operation using inexpensive protective group and an activating agent, by mixing a specific compound with an alkyl chloroformate and mixing the mixture with a specific benzylamine.

CONSTITUTION: A compound of formula I [R_1 is a 1-4C alkyl, a 1-4C alkoxy or a 6-12C aromatic; R_2 is a 1-4C alkyl or a 6-12C aromatic; R_3 is a 1-7C alkyl; X is a protonated tertiary amine or dicyclohexylamine or an alkali (earth) metal], preferably a compound of formula II [Ar is a (substituted)phenyl] is mixed with an alkyl chloroformate (e.g. methyl chloroformate) and the mixture is mixed with an (S)- α -alkylbenzylamine, and then, exposed in an acidic state to provide the objective compound. Furthermore, the acidic state is obtained by acidifying the liquid using dilute hydrochloric acid.

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